



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 29, 2016

Amy Roberts  
Senior Regulatory Consultant for Premier Tech Horticulture  
Technology Science Group Inc.  
1150 18<sup>th</sup> Street, NW – Suite 1000  
Washington, DC 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation  
Amendment – To Add Alternate Formulation and Label Amendment to Reflect Change.  
Product Name: Pro-Mix Tandem  
EPA Registration Number: 74267-4  
Application Date: February 19, 2016  
OPP Decision Number: 514477

Dear Ms. Roberts:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSFs:

- Basic CSF (BX Blend) dated 12/05/2012
- Alternate CSF #1 (HP-CC Blend) dated 02/19/2016
- Alternate CSF #2 (BRK20 Blend) dated 12/05/2012
- Alternate CSF #3 (LP15 Blend) dated 12/05/2012
- Alternate CSF #4 (MPX Blend) dated 12/05/2012
- Alternate CSF #5 (PGX Blend) dated 12/05/2012
- Alternate CSF #6 (TA Blend) dated 12/05/2012
- Alternate CSF #7 (FPX Blend) dated 12/05/2012
- Alternate CSF #8 (VFT Blend) dated 12/05/2012
- Alternate CSF #9 (BRK Blend) dated 12/05/2012
- Alternate CSF #10 (HP Blend) dated 12/05/2012

Any CSFs other than those listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Nicola Steinmetz of my team by phone at (703) 347-8567 or via email at [steinmetz.nicola@epa.gov](mailto:steinmetz.nicola@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Seichi Murasaki". The signature is fluid and cursive, with the first name "Seichi" written in a larger, more prominent script than the last name "Murasaki".

Seichi Murasaki  
Acting Product Manager 92  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure: Accepted Label

# PRO-MIX<sup>®</sup> TANDEM

Alternate brand name : BIOFUNGICIDE<sup>™</sup> + MYCORRHIZAE<sup>™</sup>

## PROFESSIONAL SPHAGNUM PEAT-BASED GROWING MEDIUM WITH BIOFUNGICIDE<sup>™</sup> FOR GREENHOUSE OR CONTAINED NURSERY USE

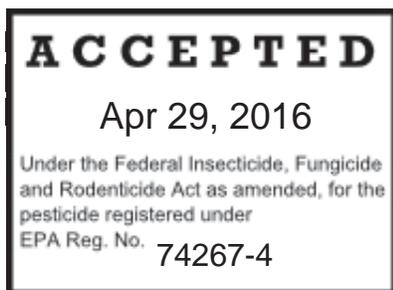
**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACTIVE INGREDIENT:</b><br><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10 <sup>4</sup> viable spore per gram of media) .....0.001%<br><b>OTHER INGREDIENTS:</b> .....99.999%<br>Total.....100.000%                                                                                                | <b>EPA Reg. No. 74267-4</b><br><b>EPA Establishment No. 4267-CAN-01/02/03/04/05</b>                                                                                                                                                                                                                                                                                                                                  |
| For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as: | for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b> )<br>for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b> )<br>for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b> )<br>for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b> )<br>for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b> ) |
| <a href="http://www.pthorticulture.com">www.pthorticulture.com</a>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L), 60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA 18951  
USA

Batch Code:



**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

(Back Panel)

## PRO-MIX® TANDEM

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer's instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

### User Safety Recommendations:

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

### FIRST AID

#### If in Eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® TANDEM (Alternate brand name : BIOFUNGICIDE™ + MYCORRHIZAE™)** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® TANDEM Alternate brand name: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

## Custom Blends

PRO-MIX® TANDEM Alternate brand name : PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ is a custom blended growing medium designed to meet your growing needs.

- **‘BX’ Blend.** PRO-MIX BX is a peat-based ‘General Purpose’ growing medium formulated for the cultivation of horticultural plants. This growing medium contains a blend of select Canadian Sphagnum peat moss, perlite, vermiculite, dolomitic and calcitic limestone. This formulation is lightweight, uniform and provides conditions necessary to establish plant growth.
- **‘HP’ Blend.** PRO-MIX HP is a ‘High Porosity’ peat-based growing medium designed for the cultivation of horticultural plants. This lightweight and porous growing medium provides conditions necessary to establish plant growth, especially when growing situations require medium with high air-capacity and low water-retention. This formulation is excellent for use with water sensitive crops, propagation of plant cuttings and /or low-light growing conditions.
- **‘HP-CC Blend.** PRO-MIX HP-CC is a coarse textured, high porosity peat-based growing medium that is blended with ‘CHUNK COIR’. This combination of ingredients is ideal for potted crops and large containers when coarse texture and high drainage are required. This formulation is lightweight, uniform and suitable for a wide variety of horticultural plants.
- **‘LP15’ Blend.** PRO-MIX LP15 is a multipurpose peat-based, perlite professional growing medium designed for growers that prefer a low amount of aggregate and no vermiculite. PRO-MIX LP15 is suitable for a wide range of greenhouse and transplanting applications.
- **‘MPX’ Blend.** PRO-MIX MPX is a peat-based professional growing medium designed for the cultivation of horticultural greenhouse plants. It is uniform and blended to the highest degree of consistency to provide conditions necessary to establish plant growth. PRO-MIX ‘MPX’ is suitable for a wide variety of plant species.
- **‘BRK’ Blend.** PRO-MIX BRK is a medium-weight, Peat/Bark-based growing medium designed for the cultivation of horticulture plants. Processed pine bark adds weight and reduces water retention of media while Sphagnum peat moss is light-weight and possesses high water-holding ability. This combination forms a base for a “general use” growing medium that provides conditions necessary to establish plant growth, particularly when container stability and low- water retention are required.
- **‘BRK20’ Blend.** Similar to the BRK Blend, PRO-MIX BRK20 is Peat/Bark-based growing medium with 20% processed pine bark to add weight and reduce water retention of media. This combination forms a base for a “general use” growing medium that provides conditions necessary to establish plant growth when less bark is required.
- **‘FPX’ Blend.** PRO-MIX FPX is a fine peat/perlite-based growing medium for germinating ornamental and vegetable seeds in small cell plug trays. It contains a base blend of short-fibered Sphagnum peat moss and fine perlite for easy filling of trays with minimal bridging. When in use, this blend retains less water than peat/vermiculite blends.
- **‘PGX’ Blend.** PRO-MIX PGX is a peat-based growing medium designed for germinating ornamental and vegetable seeds. This fine textured blend contains a base of short-fibered Sphagnum peat moss and fine grade vermiculite and is well suited for traditional seeding and plug-system applications.

• **‘TA’ Blend.** PRO-MIX TA is a peat-based growing medium formulated for germinating and growing-on of Tobacco and Agriculture transplants. This blend is ideal for use with trays/flats cultivated in sub-irrigated float systems and conventional irrigation methods. This fine textured blend is user-friendly for filling small cell trays and flats with automated equipment or by hand.

• **‘VFT’ Blend.** PRO-MIX VFT is a peat-based growing medium formulated for germinating and growing-on of vegetable, fruit and tobacco transplants. This blend is designed for use with trays/flats cultivated in sub-irrigated float systems and conventional irrigation methods. (Optional Text: This formulation contains a blend of ingredients that allow oxygen and water to move freely for uniform seed germination and plant growth. This fine textured blend is user-friendly for filling small cell trays and flats with automated equipment or by hand. USES: Vegetable Transplants, Fruit Transplants, Tobacco Transplants, Germination of Tobacco and Vegetable Seeds, Float Trays, Subirrigation systems).

To determine the best **PRO-MIX® TANDEM Alternate brand name: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™** for your growing needs consult the following base-formula table. For technical assistance, plant compatibility information and crop culture guidelines, **contact PREMIER GROWER SERVICES – USA: 1 800 424-2554 – Canada: 1 800 667-5366.**

| PRO-MIX Base Formula | Sphagnum Peat Moss | Perlite            | Vermiculite        | Bark      | Coir         | Starter nutrients | Limestone | Wetting Agent | BIOFUNGICIDE<br><i>Bacillus pumilus</i> GH180 | MYCORRHIZAE<br><i>Glomus intraradices</i> |
|----------------------|--------------------|--------------------|--------------------|-----------|--------------|-------------------|-----------|---------------|-----------------------------------------------|-------------------------------------------|
| BX                   | ---<br>75-85%/vol. | ---                | ---                |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| HP                   | ---<br>65-75%/vol. | ---                |                    |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| HP-CC                | ---<br>65-75%/vol. | ---                |                    |           | ---<br>Chunk | ---               | ---       |               |                                               | ---                                       |
| LP-15                | ---<br>80-90%/vol. | ---                |                    |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| MPX                  | ---<br>85-95%/vol. | ---                | ---                |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| BRK                  | ---<br>40-50%/vol. | ---                |                    | *1<br>--- |              | ---               | ---       | ---           | ---                                           | ---                                       |
| BRK20                | ---<br>70-80%/vol. | ---                |                    | *1<br>--- |              | ---               | ---       | ---           | ---                                           | ---                                       |
| FPX                  | ---<br>80-90%/vol. | ----<br>plug-grade |                    |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| PGX                  | ---<br>75-85%/vol. |                    | ----<br>plug-grade |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| TA                   | ---<br>80-90%/vol. |                    | ----<br>plug-grade |           |              | ---               | ---       | ---           | ---                                           | ---                                       |
| VFT                  | ---<br>75-85%/vol. |                    | ----<br>plug-grade |           |              | ---               | ---       | ---           | ---                                           | ---                                       |

\*1 – Processed pine

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions 6/57 exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® TANDEM Alternate brand name : PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® TANDEM Alternate brand name: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ is suitable for fruit and vegetable transplants. PRO-MIX® TANDEM Alternate brand name: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

## WATER MANAGEMENT

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water 'runs through' to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water

penetration and movement throughout the root zone.

## APPLICATION INFORMATION

- Use **PRO-MIX® TANDEM Alternate brand name : PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® TANDEM Alternate brand name : PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® TANDEM Alternate brand name : PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

## QUALITY GUARANTEE

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

### PLEASE RECYCLE

### RESPECTS ALL LEGISLATION ON HEAVY METALS

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**  
(215) 529-1290 or 1 800 525-2553  
www.pthorticulture.com

**Manufactured By:**  
PREMIER TECH  
1, avenue Premier  
**Rivière-du-Loup (Québec) Canada G5R 6C1**  
**For additional information, call:**  
(514) 631-6700 or 1 800 667-5366  
www.pthorticulture.com

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> <b>GHA180</b> (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.000%</p>                                                           | <p style="text-align: center;"><b>EPA Reg. No. 74267-4</b><br/><b>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                                                             |
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| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

# PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX Sub-label

(Back Panel)

## PROFESSIONAL PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX

### PRECAUTIONARY STATEMENTS

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PRO-MIX® Tandem; EPA Reg. No. 74267-4

Fast track amendment to add alternate blends and make minor changes

Label version (3) dated March 11, 2016

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## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX Sub-label

extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX

PRO-MIX BX is a peat-based 'General Purpose' growing medium formulated for the cultivation of horticultural plants. This growing medium contains a blend of select Canadian Sphagnum peat moss, perlite, vermiculite, dolomitic and calcitic limestone. This formulation is lightweight, uniform and provides conditions necessary to establish plant growth.

### DIRECTIONS FOR USE

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### PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

### FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX Sub-label

cycle, you can insure plants receive proper nutritional requirements.

### WATER MANAGEMENT

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### APPLICATION INFORMATION

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### QUALITY GUARANTEE

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BX Sub-label**

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

(215) 529-1290 or 1 800 525-2553

[www.pthorticulture.com](http://www.pthorticulture.com)

**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

(514) 631-6700 or 1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
HP**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.000%</p>                                                                  | <p style="text-align: center;"><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                     |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)<br/>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)<br/>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)<br/>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)<br/>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L),  
60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER HORTICULTURE LTEE  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL  
PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

**If in Eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP**,

**PRO-MIX® Tandem**; EPA Reg. No. 74267-4

Fast track amendment to add alternate blends and make minor changes

Label version (3) dated March 11, 2016

Page 14 of 62

attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP**

PRO-MIX HP is a 'High Porosity' peat-based growing medium designed for the cultivation of horticultural plants. This lightweight and porous growing medium provides conditions necessary to establish plant growth, especially when growing situations require medium with high air-capacity and low water-retention. This formulation is excellent for use with water sensitive crops, propagation of plant cuttings and /or low-light growing conditions.

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## **PREPARATION**

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## **FERTILIZATION**

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization

program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

### **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### **QUALITY GUARANTEE**

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

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200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

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[www.pthorticulture.com](http://www.pthorticulture.com)

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1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

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(514) 631-6700 or 1 800 667-5366

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**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
HP-CC**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p align="center"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> <b>GHA180</b> (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                        | <p align="center"><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <ol style="list-style-type: none"> <li>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)</li> <li>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)</li> <li>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)</li> <li>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)</li> <li>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</li> </ol> |
| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L),  
60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

# PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC Sub-label

(Back Panel)

## PROFESSIONAL PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer's instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

### User Safety Recommendations:

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

### FIRST AID

#### If in Eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an

**PRO-MIX® Tandem**; EPA Reg. No. 74267-4

Fast track amendment to add alternate blends and make minor changes

Label version (3) dated March 11, 2016

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## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC Sub-label

extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC

PRO-MIX HP-CC is a coarse textured, high porosity peat-based growing medium that is blended with 'CHUNK COIR'. This combination of ingredients is ideal for potted crops and large containers when coarse texture and high drainage are required. This formulation is lightweight, uniform and suitable for a wide variety of horticultural plants.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC Sub-label

production cycle, you can insure plants receive proper nutritional requirements.

### WATER MANAGEMENT

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### APPLICATION INFORMATION

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ HP-CC**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### QUALITY GUARANTEE

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

## **PRO-MIX® Tandem Master Label**

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

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200 Kelly Road, Unit E-1

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**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

(514) 631-6700 or 1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
LP15**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY  
USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.000%</p>                                                                                              | <p><b>EPA Reg. No. 74267-4</b><br/><b>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                          |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)<br/>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)<br/>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)<br/>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)<br/>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p>www.pthorticulture.com</p>                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L), 60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951  
Batch Code:

**PRODUIT DU CANADA**  
PREMIER HORTICULTURE LTEE  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

(Back Panel)

**PROFESSIONAL  
PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>If in Eyes</b> | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Contact a poison control center or doctor for treatment advice.</li> </ul> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.</p> |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ +**

**PRO-MIX® Tandem**; EPA Reg. No. 74267-4

Fast track amendment to add alternate blends and make minor changes

Label version (3) dated March 11, 2016

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15 Sub-label

**MYCORRHIZAE™ LP15**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15

PRO-MIX LP15 is a multipurpose peat-based, perlite professional growing medium designed for growers that prefer a low amount of aggregate and no vermiculite. PRO-MIX LP15 is suitable for a wide range of greenhouse and transplanting applications.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15 is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15 is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15 Sub-label

program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

### WATER MANAGEMENT

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### APPLICATION INFORMATION

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ LP15**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### QUALITY GUARANTEE

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

(215) 529-1290 or 1 800 525-2553

[www.pthorticulture.com](http://www.pthorticulture.com)

**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

(514) 631-6700 or 1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
TA**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                  | <p style="text-align: center;"><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <ol style="list-style-type: none"> <li>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)</li> <li>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)</li> <li>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)</li> <li>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)</li> <li>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</li> </ol> |
| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L), 60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL  
PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

**If in Eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA Sub-label

plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA

PRO-MIX TA is a peat-based growing medium formulated for germinating and growing-on of Tobacco and Agriculture transplants. This blend is ideal for use with trays/flats cultivated in sub-irrigated float systems and conventional irrigation methods. This fine textured blend is user-friendly for filling small cell trays and flats with automated equipment or by hand.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA is for use in protected growing environments only (e.g. glasshouse or greenhouse); not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and

water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

### **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ TA**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### **QUALITY GUARANTEE**

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

(215) 529-1290 or 1 800 525-2553

[www.pthorticulture.com](http://www.pthorticulture.com)

**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

(514) 631-6700 or 1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
FPX**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY  
USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                                              | <p><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                                 |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)<br/>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)<br/>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)<br/>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)<br/>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p>www.pthorticulture.com</p>                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L), 60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL**  
**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>If in Eyes</b> | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Contact a poison control center or doctor for treatment advice.</li> </ul> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.</p> |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX**, attach to and colonize root systems working in symbiosis with plants.

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX Sub-label

Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX

PRO-MIX FPX is a fine peat/perlite-based growing medium for germinating ornamental and vegetable seeds in small cell plug trays. It contains a base blend of short-fibered Sphagnum peat moss and fine perlite for easy filling of trays with minimal bridging. When in use, this blend retains less water than peat/vermiculite blends.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization

program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

### **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ FPX**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
Do not contaminate water by cleaning of equipment or disposal wastes.  
**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.  
**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### **QUALITY GUARANTEE**

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

(215) 529-1290 or 1 800 525-2553

[www.pthorticulture.com](http://www.pthorticulture.com)

**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

(514) 631-6700 or 1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
MPX**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p align="center"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                               | <p align="center"><b>EPA Reg. No. 74267-4</b><br/><b>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                           |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)<br/>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)<br/>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)<br/>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)<br/>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L),  
60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL**  
**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

**If in Eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX Sub-label

extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX

PRO-MIX MPX is a peat-based professional growing medium designed for the cultivation of horticultural greenhouse plants. It is uniform and blended to the highest degree of consistency to provide conditions necessary to establish plant growth. PRO-MIX 'MPX' is suitable for a wide variety of plant species.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the

production cycle, you can insure plants receive proper nutritional requirements.

## **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

## **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ MPX**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

## **QUALITY GUARANTEE**

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**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

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**Manufactured By:**

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1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

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**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
PGX**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p align="center"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                               | <p align="center"><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                  |
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| <p align="center">www.pthorticulture.com</p>                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L), 60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

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200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL  
PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

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Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX Sub-label

phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX

PRO-MIX PGX is a peat-based growing medium designed for germinating ornamental and vegetable seeds. This fine textured blend contains a base of short-fibered Sphagnum peat moss and fine grade vermiculite and is well suited for traditional seeding and plug-system applications.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the

production cycle, you can insure plants receive proper nutritional requirements.

## **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

## **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ PGX**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

## **QUALITY GUARANTEE**

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**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



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**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
VFT**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>ACTIVE INGREDIENT:</b></p> <p><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%</p> <p><b>OTHER INGREDIENTS:</b> .....99.999%</p> <p>Total.....100.00 %</p>                                                         | <p style="text-align: center;"><b>EPA Reg. No. 74267-4</b></p> <p style="text-align: center;"><b>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                           |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)</p> <p>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)</p> <p>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)</p> <p>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)</p> <p>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L),  
60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL**  
**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

**If in Eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT Sub-label

extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT

PRO-MIX VFT is a peat-based growing medium formulated for germinating and growing-on of vegetable, fruit and tobacco transplants. This blend is designed for use with trays/flats cultivated in sub-irrigated float systems and conventional irrigation methods. (Optional Text: This formulation contains a blend of ingredients that allow oxygen and water to move freely for uniform seed germination and plant growth. This fine textured blend is user-friendly for filling small cell trays and flats with automated equipment or by hand. USES: Vegetable Transplants, Fruit Transplants, Tobacco Transplants, Germination of Tobacco and Vegetable Seeds, Float Trays, Subirrigation systems).

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient

content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

## **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

## **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ VFT**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

## **QUALITY GUARANTEE**

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

(215) 529-1290 or 1 800 525-2553

[www.pthorticulture.com](http://www.pthorticulture.com)

**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

(514) 631-6700 or 1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**PRODUCT OF CANADA**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
BRK**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                                              | <p><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                                                 |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)<br/>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)<br/>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)<br/>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)<br/>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p>www.pthorticulture.com</p>                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L),  
60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

(Back Panel)

**PROFESSIONAL  
PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer’s instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

**User Safety Recommendations:**

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

**FIRST AID**

**If in Eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK**,

**PRO-MIX® Tandem**; EPA Reg. No. 74267-4

Fast track amendment to add alternate blends and make minor changes

Label version (3) dated March 11, 2016

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK Sub-label

attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK

PRO-MIX BRK is a medium-weight, Peat/Bark-based growing medium designed for the cultivation of horticulture plants. Processed pine bark adds weight and reduces water retention of media while Sphagnum peat moss is light-weight and possesses high water-holding ability. This combination forms a base for a “general use” growing medium that provides conditions necessary to establish plant growth, particularly when container stability and low- water retention are required.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

### PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

### FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization

program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

## **WATER MANAGEMENT**

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

## **APPLICATION INFORMATION**

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

## **QUALITY GUARANTEE**

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PLEASE RECYCLE  
RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

1 800 525-2553

[www.pthorticulture.com](http://www.pthorticulture.com)

**Manufactured By:**

PREMIER TECH

1, avenue Premier

**Rivière-du-Loup (Québec) Canada G5R 6C1**

**For additional information, call:**

1 800 667-5366

[www.pthorticulture.com](http://www.pthorticulture.com)

**Product of Canada**

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™  
BRK20**

**PROFESSIONAL  
SPHAGNUM PEAT-BASED GROWING MEDIUM  
WITH BIOFUNGICIDE™ FOR GREENHOUSE OR CONTAINED NURSERY USE**

**CAUTION:**  
KEEP OUT OF REACH OF CHILDREN  
See Additional Precautionary Statements on Back Panel

|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>ACTIVE INGREDIENT:</b><br/><i>Bacillus pumilus</i> GHA180 (not less than 5 X 10<sup>4</sup> viable spore per gram of media) .....0.001%<br/><b>OTHER INGREDIENTS:</b> .....99.999%<br/>Total.....100.00 %</p>                                                                  | <p style="text-align: center;"><b>EPA Reg. No. 74267-4<br/>EPA Establishment No. 4267-CAN-01/02/03/04/05</b></p>                                                                                                                                                                                                                                                                                                                     |
| <p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:</p> | <p>1 for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. <b>74267-CAN-01</b>)<br/>2 for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. <b>74267-CAN-02</b>)<br/>3 for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-03</b>)<br/>4 for Northal, Alberta (EPA Establishment No. <b>74267-CAN-04</b>)<br/>6 for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-06</b>)</p> |
| <p><a href="http://www.pthorticulture.com">www.pthorticulture.com</a></p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                      |

2.8 cu ft loose (85 L), 3.8 cu ft compressed (107 L), 55 cu ft compressed (1 557 L),  
60 cu ft loose (1 700 L), 70 cu ft loose (1 980 L), 80 cu ft loose (2 265 L), 135 cu ft compressed (3 825 L).

**PRODUCT OF CANADA**  
PREMIER HORTICULTURE INC.  
200 Kelly Road, Unit E-1  
Quakertown, PA  
USA 18951

**PRODUIT DU CANADA**  
PREMIER TECH  
1 avenue Premier  
Rivière-du-Loup, Quebec  
Canada G5R 6C1

Batch Code:

# PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20 Sub-label

(Back Panel)

## PROFESSIONAL PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals. CAUTION:** Causes moderate eye irritation .Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** As a general precaution when exposed to living microbial products such as this, applicators (**persons opening bags and/or filling potting machines**) must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Follow manufacturer's instructions for cleaning / maintaining PPE.

**Environmental Hazards:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

### User Safety Recommendations:

Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

### FIRST AID

#### If in Eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20** has been enriched with GHA180 (active ingredient: *Bacillus pumilus* GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems, and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus*, which attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi, contained in **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20**, attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi benefit the host

**PRO-MIX® Tandem;** EPA Reg. No. 74267-4

Fast track amendment to add alternate blends and make minor changes

Label version (3) dated March 11, 2016

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## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20 Sub-label

plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

### PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20

Similar to the BRK Blend, PRO-MIX BRK20 is Peat/Bark-based growing medium with 20% processed pine bark to add weight and reduce water retention of media. This combination forms a base for a “general use” growing medium that provides conditions necessary to establish plant growth when less bark is required.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a zero (0) restricted entry interval for this product.

## PREPARATION

Open package at the time of seeding, potting or transplanting. Potting benches and equipment should be located in a clean, weed-free area. Add water to **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20** until slightly moist to the touch. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the greenhouse.

**IMPORTANT: PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20 is suitable for fruit and vegetable transplants. PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20 is for use in protected growing environments only (e.g. glasshouse or greenhouse); not for use in non-protected environments (e.g. non-contained nurseries or slat houses).**

## FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves, this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and

## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20 Sub-label

water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can insure plants receive proper nutritional requirements.

### WATER MANAGEMENT

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

### APPLICATION INFORMATION

- Use **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20** “as is” from package. Add water to moisten.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical growth regulator treatments can be used in combination with **PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20**, and will provide extended protection throughout the growing season.
- Rotate product inventory to practice ‘First In – First out’. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Do not contaminate water by cleaning of equipment or disposal wastes.

**STORAGE:** Store in a dry place at ambient temperature (-30 to 30 °C).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of bag in trash.

### QUALITY GUARANTEE

**PREMIER TECH HORTICULTURE is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH HORTICULTURE guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

**PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™ BRK20 Sub-label**

**PLEASE RECYCLE**

**RESPECTS ALL LEGISLATION ON HEAVY METALS**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> (for USA only).



**Manufactured For:**

**Guaranteed By:**

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

**Quakertown, PA USA 18951**

**For additional information, call:**

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[www.pthorticulture.com](http://www.pthorticulture.com)

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